

**ABSTRACT**

General Packet Radio Service (GPRS) networks that handle packetized transmissions employ an architecture that sits intermediate of the GPRS Gateway Support Node (GGSN) and the Wireless Application Protocol (WAP) gateway of the external network. This architecture improves the efficiency of WAP transmissions over the GPRS network (core and radio). This architecture is able to implement numerous advanced features of WAP protocols in accordance with WAP standard and requirements of the GPRS network, in order support both the client and server ends of the network.